

## ATTACHMENT J52

# Minneapolis-St. Paul ARS Metering Plan

## J52.1 Electric Distribution System Metering

Minneapolis-St. Paul ARS uses no automated meter reading (AMR) system. The choice of AMR system is left to the utility owner.

### J52.1.1 Existing Electric Sub-Meters

**Table 1** lists the existing sub-meters (at the time of contract award) on the electrical distribution system. The Contractor shall provide meter readings once a month for all sub-meters IAW Paragraph C.3 and J1.6.

TABLE 1

Existing Sub-Meters

*Electric Distribution System Minneapolis-St. Paul ARS*

Meter Location - Area D	Size and Type of Meter
606	TWS-2S
606	MS
606	TMT-12S
610	700X66G1
614	Power Logic
616	A1R-A
631	700X25G2
640	D4S-8M
641	Power Logic
642	0Q91HT
645	D4B-8FM
656	DSM-65
659	700X022009
668	A1R-A
670	A1R
680	D4S-8
681	MT-14S
683	A1R
685	D4S-8
687	DSM-65
Meter Location - Area N	Size and Type of Meter
729	OWNED BY NSP, NOT CONVEYED.
Air Switch Cabinet (entry Point)	OWNED BY NSP, NOT CONVEYED.
(Butler Hut)	Unknown

Meter Location - Area D	Size and Type of Meter
760	Unknown
822	Unknown
806	Unknown
852	Unknown
Street Lights 1	Unknown
Street Lights 2	Unknown
Street Lights 3	Unknown

### J52.1.2 Required New Electric Sub-Meters

The Contractor shall install and calibrate new sub-meters as listed in **Table 2**. All sub-meters installed by the Contractor shall be capable of being read remotely. Demand meters shall be capable of recording the monthly demand and 15-minute demand meters shall be capable of recording 45 days of demand history in 15-minute increments. The meters shall also have the multiplier permanently affixed to the face of the meter. New sub-meters shall be installed IAW Paragraph C.13.4.2, Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Paragraphs C.3.3 and J1.6.

**TABLE 2**

New Sub-Meters

*Electric Distribution System Minneapolis-St. Paul ARS*

Meter Location - Area D	Specific Meter Requirements
660	New 3 phase meter sized for load
662	New 3 phase meter sized for load
667	New 3 phase meter sized for load
686	New 3 phase meter sized for load

  

Meter Location - Area N	Specific Meter Requirements
707	New 3 phase meter sized for load
710	Existing 3 phase meter requires Replacement
715 (2 meters)	Existing 3 phase meter requires Replacement
720	New 3 phase meter sized for load
721	New 3 phase meter sized for load
723	New 3 phase meter sized for load
724	New 3 phase meter sized for load
725	New 3 phase meter sized for load
726	New 3 phase meter sized for load
727	New 3 phase meter sized for load
728	New 3 phase meter sized for load
729	New 3 phase meter sized for load
730	New 3 phase meter sized for load
733	New 3 phase meter sized for load
740	Existing 3 phase meter requires Replacement
744	Existing 3 phase meter requires Replacement

745	New 3 phase meter sized for load
746	New 3 phase meter sized for load
747	New 3 phase meter sized for load
752	New 3 phase meter sized for load
757	New 3 phase meter sized for load
761	Existing 3 phase meter requires Replacement
777	New 3 phase meter sized for load
801	Existing 3 phase meter requires Replacement
802	New 3 phase meter sized for load
803	New 3 phase meter sized for load
804	New 3 phase meter sized for load
805	Existing 3 phase meter requires Replacement
807-A	Existing 3 phase meter requires Replacement
807-B	Existing 3 phase meter requires Replacement
812	Existing 3 phase meter requires Replacement
813	New 3 phase meter sized for load
814	New 3 phase meter sized for load
820	New 3 phase meter sized for load
821-A	Existing 3 phase meter requires Replacement
821-B	Existing 3 phase meter requires Replacement
822-A	Existing 3 phase meter requires Replacement
822-B	Existing 3 phase meter requires Replacement
830	Existing 3 phase meter requires Replacement
837	New 3 phase meter sized for load
840-A	Existing 3 phase meter requires Replacement
840-B	Existing 3 phase meter requires Replacement
853-A	Existing 3 phase meter requires Replacement
853-B	Existing 3 phase meter requires Replacement
861	New 3 phase meter sized for load
865	New 3 phase meter sized for load
870	Existing 3 phase meter requires Replacement
Unnumbered Bldg to Bldg 8222	New 3 phase meter sized for load

## J52.2 Water Distribution System Metering

Minneapolis-St. Paul ARS uses no automated meter reading (AMR) system. The choice of AMR system is left to the utility owner.

### J52.2.1 Existing Water Sub-Meters

**Table 3** lists the existing (at the time of contract award) sub-meters. These meters are used to determine the amount of water used by tenants at the Base for billing and/or water conservation purposes. The Contractor shall provide meter readings once a month for all sub-meters IAW Paragraph C.3.3 and J3.6.

**Table 3**

Existing Water Sub-Meters

Water System Minneapolis-St. Paul ARS

Building - Area D	Size and Type of Meter
660	10" - Master
Building - Area N	Size and Type of Meter
744	2" - Irrigation
750	1.5" - Irrigation
752	1" - Irrigation

### J52.2.2 Required New Water Sub-Meters

The Contractor shall install and calibrate new sub-meters as listed in **Table 4**. All sub-meters installed by the Contractor shall be capable of being read remotely. The meters shall also have the multiplier permanently affixed to the face of the meter. New sub-meters shall be installed IAW Paragraph C.13.4.2, Transition Plan. After installation, the Contractor shall read these meters IAW Paragraphs C.3.3 and J3.6.

**Table 4**

New Water Sub-Meters

Water System Minneapolis-St. Paul ARS

Meter Location - Area D	Specific Meter Requirements
608	None
610	None
614	None
618	None
631	Irrigation
631	None
638	None
640	None
641	None
641	None
642	None

642	Irrigation
645	None
656	None
656	Irrigation
659	None
662	None
670	None
680	None
680	None
683	None
685	None
685	None
686	None
687	None

**Meter Location - Area A, N****Specific Meter Requirements**

745	Irrigation
777	Irrigation

## **J52.3 Wastewater Collection System Metering**

Not Used.